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Dairy Scale

User Manual

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Introduction

Thank you for purchasing the Gallagher Dairy Scale.

Gallagher has been making agricultural equipment for over 60 years. In that time we have earned a reputation for the manufacture of quality equipment that is simple, tough, innovative and reliable.

The Dairy Scale range of Scales is specifically designed to accurately weigh live animals. In particular, dairy cows that are part of a milking herd and "on the move" can be weighed as they pass over the scale, negating the need for constant human attention and monitoring. The Dairy Scale can also be used to manually weigh animals.

As well as weighing, the Dairy Scale includes the following features;

- Weighing individual animals as they pass over the weighing platform is done automatically. In the DS5000 model there is no capability to separately identify individual animals or store records relating to particular animals.
- You can use graphs to analyse changes in animal weight by herd total over time.
- You can view session (milking) statistics, analysed by herd.

Basic Terminology

There are terms and abbreviations used throughout this manual that relate exclusively to MyScale Pro and the use of Dairy Scale products. Some terms (such as "Sessions") are defined and discussed in their own relevant chapters.

The following terms will become familiar as you work with your Gallagher Dairy Scale:

Automatic Session	Synonymous with "Walkover Weighing Session" this is a weighing session that takes place during the milking of a dairy herd and requires no human input. The name of the Session will be automatically generated by the Scale and will show the date, time and milking number.
Manual Session	Synonymous with "Static Weighing Session" this is a weighing session that is conducted one animal at a time outside of milking hours. This can be performed on dairy or dry stock animals. The Session will have to be manually created and named.
Platform or "Weighing Platform"	The device that detects the weight of the load and transfers this to the Scale.
Scale	The digital display unit that is attached to the platform.
QWERTY Keyboard	The alphanumeric keyboard on the lower portion of the Scale.
Record	A record is an entry of data relating to an animal. One animal may have many associated records.

Care and maintenance

The Dairy Scale is a tough and reliable product designed for use in typical livestock environments. However proper care and maintenance can extend its life.

Listed below are guidelines for keeping the Dairy Scale in good condition.

- Whilst the Scale is weather-proof with the protection provided by the supplied housing, do not expose the Scale to water under pressure.
- Properly maintain the purpose-built outdoor housing. Replace if excessively damaged.
- When cleaning the Scale with a damp cloth take care not to scratch the display.
- If disconnecting the Scale, fit the connector caps to keep the connections clean.

Although the Scale should be fitted by a qualified tradesperson, subsequent circumstances could lead to warning notices on the Scale:

Check the load bar connections to the Scale.

The load bars are connected to the Scale in the wrong order. Swap them around at the Scale.

The signals are suffering from a degree of distortion. Check for a faulty connection or disconnected ground strap.

Power and batteries

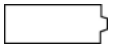
During a weighing session, the Scale can be powered by its internal battery alone but in most cases with the Dairy Scale both the Scale and battery are connected directly to the supplied AC power pack.

When the Scale is disconnected from the power source (e.g. for connection to a computer at another location) the battery will provide power for a minimum of eight hours.

Battery charge status

The battery icon appears in the bottom left corner of the Scale's main screen.

It is important to note that the battery icon will only ever show the actual amount of charge left in the battery when the Scale is turned on and disconnected from external power.

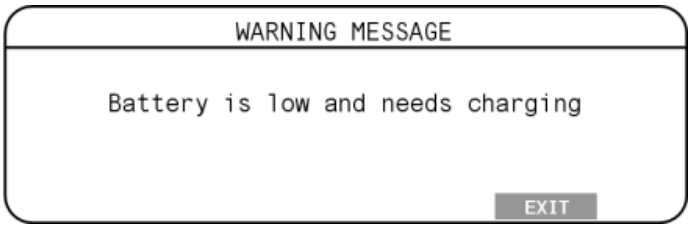
Fully Charged		Battery Icon bars are all displayed constantly.
Partially Charged		Battery Icon shows first four bars constantly.
Battery Flat		No Battery Icon bars are displayed.

When the Scale is connected to the external power supply the battery icon will display the charging status.

Charging		Battery Icon shows all the bars constantly filling and then disappearing.
Topping Up		Battery Icon shows the first four bars constantly full and the remainder filling and then disappearing.
Trickle Charge		Battery Icon shows only one empty bar that is constantly travelling the length of the full Icon.

Low battery warning

When the charge remaining in the battery drops to a very low level, the Scale will beep and the battery charge icon will start to flash and a warning message is displayed:



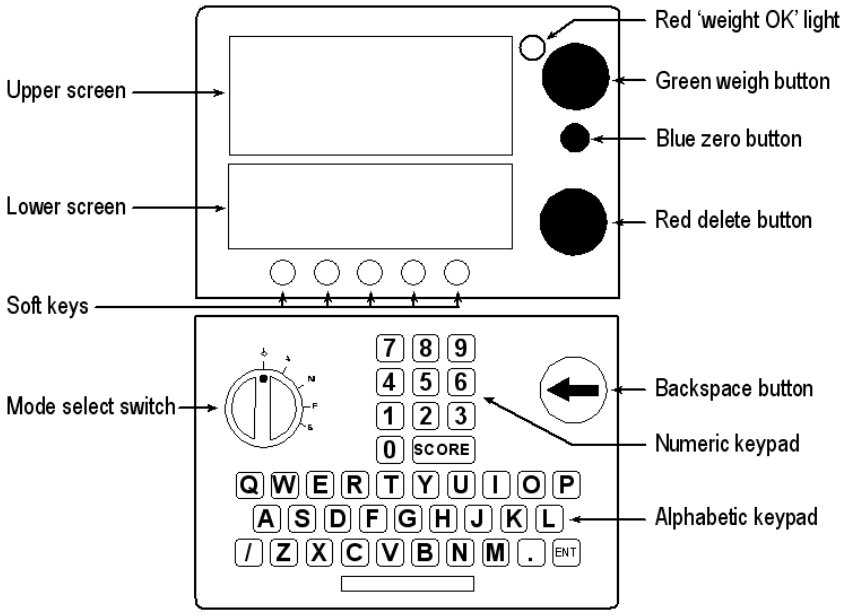
At this stage, about 15 minutes remain before the Scale shuts down.

As the Scale will be connected to mains power for the majority of its operation, low battery levels should only be an issue during power outages or when the Scale is disconnected from the AC outlet and being used to copy files to a computer at another location.

Low voltage shutdown

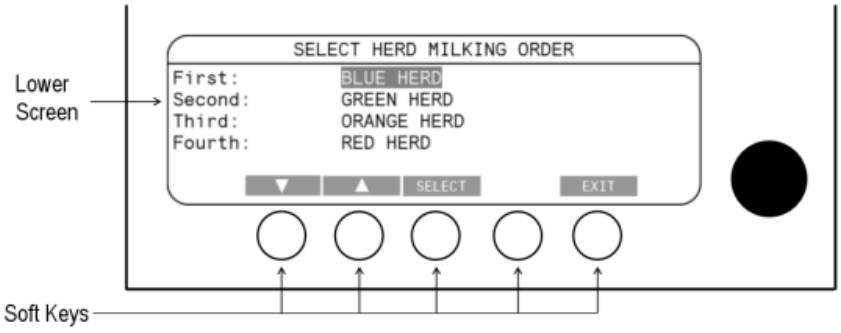
When the battery charge drops to a critical level, the Scale will shut down. At this stage it is necessary to recharge the battery.

The Scale's controls



Soft Keys

Five soft keys are arranged along the bottom of the lower screen. The function of these soft keys changes depending on what the lower screen displays. For any given screen, not all soft keys have a function. Those that do are labelled in the screen.

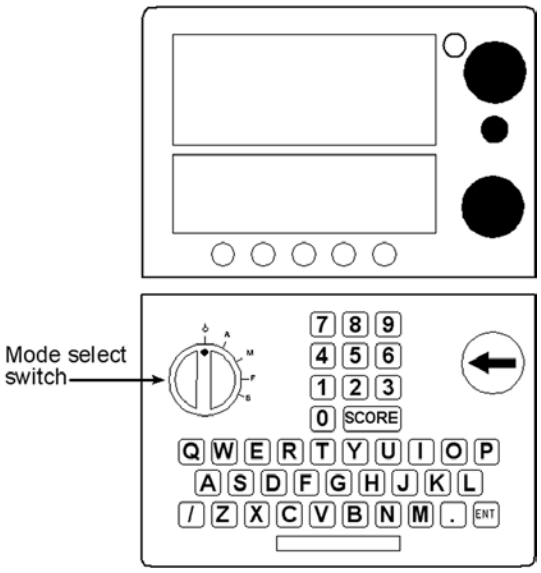


- Buttons like ▲, ▼ and ▲▼ allow movement vertically up and down the screen.
- Buttons like ◄ and ► allow movement horizontally across the screen.
- The most common function of other buttons that you will encounter in the Dairy Scale DS5000 is described in the table on the following page:

Soft Key Button	Most Common Function
CANCEL	To discard current display, most often will return you to the previous Screen
CHANGE	To toggle between options
CLEAR	To clear or erase data - generally in the highlighted field
DELETE	To delete currently displayed data - record, session, etc.
D-GRAPH	Will generate a Weight Distribution Graph based on the current details displayed on the screen
EXIT	Generally used when finished a task or tasks in a screen. Will allow you to continue most often by returning you to the last main screen.
GRAPH	Will generate an Average Weight Graph based on the current details displayed on the screen
HERD	Toggles through herd names
HISTORY	Accesses screens to see historic records based on the parameters currently displayed
MILKING	Toggles through milkings
NEW	To create a new session in Manual Mode
NO	Negative response to a question posed on the screen
OK	Acceptance of current display
RECORDS	To navigate to a screen to access records fitting the currently displayed parameters
REVIEW	To search for herd records
SAVE	To save a session name
SELECT	Used in the Setup Menu for opening an item
STATS	To navigate to a screen to access records fitting the currently displayed parameters
WEIGHT	When a graph is displayed, using this button will display the weights represented by the graph
YES	Positive response to a question posed on the screen

The mode select switch

The Scale can operate in two weighing modes and a setup mode. The mode select switch is located on the left hand side of the Scale.



The mode select switch has five positions: ⏻ , **A**, **M**, **F** and **S**. Immediately after you turn the switch to any position except ⏻, explanatory information will display on the lower of the two Scale screens. The explanatory information may display only for a few seconds; after it disappears, the screen displays information relevant to the selected option. This behaviour can be changed in Setup Mode. See "Acknowledge Messages" in the table under *User Options* (p 15).

⏻ This position turns the Scale off.

A This position selects weighing in Automatic (Walkover) mode.

M This position selects weighing in Manual (Static) mode.

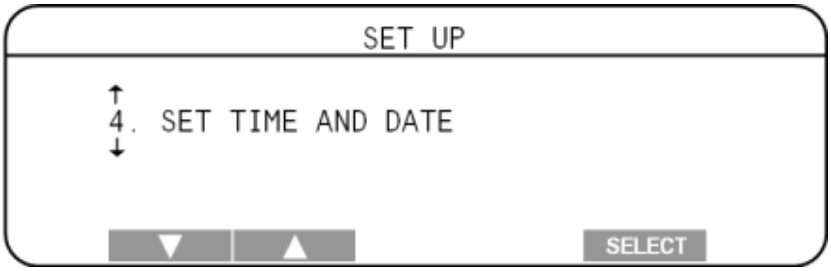
F "Find Mode" is disabled in this DS5000 model of scale. To upgrade to the XDS5000 model, please contact your installer. See also *Upgrading Your Dairy Scale* (p 38).

S This position accesses the setup options.

Setup

Selecting a setup option

When you turn the mode select switch to **S**, one of the Setup menu options displays.



To select an option from the Setup menu:

1. Press the ▲ or ▼ soft key to display the required menu option.
2. Press SELECT.

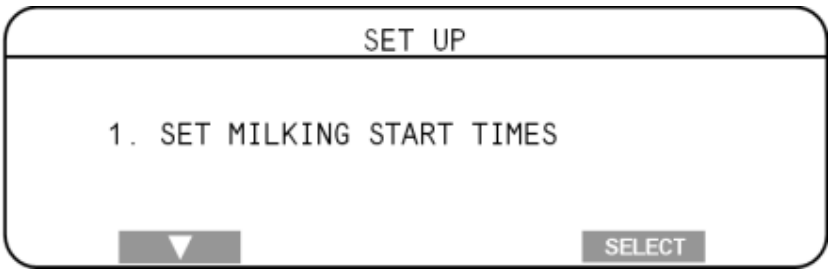
Alternatively, using the keypad, you can press the number of the menu item that you want to select.

For more information about each of the Setup menu items, refer to the following sections.

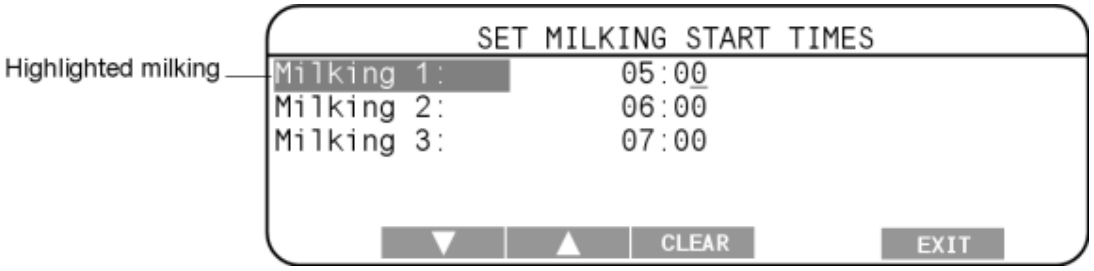
Selecting milking start times

Milking start times define the start times for milking sessions. They end one hour after the last cow is weighed. A maximum of three milking sessions per 24 hour day can be set.

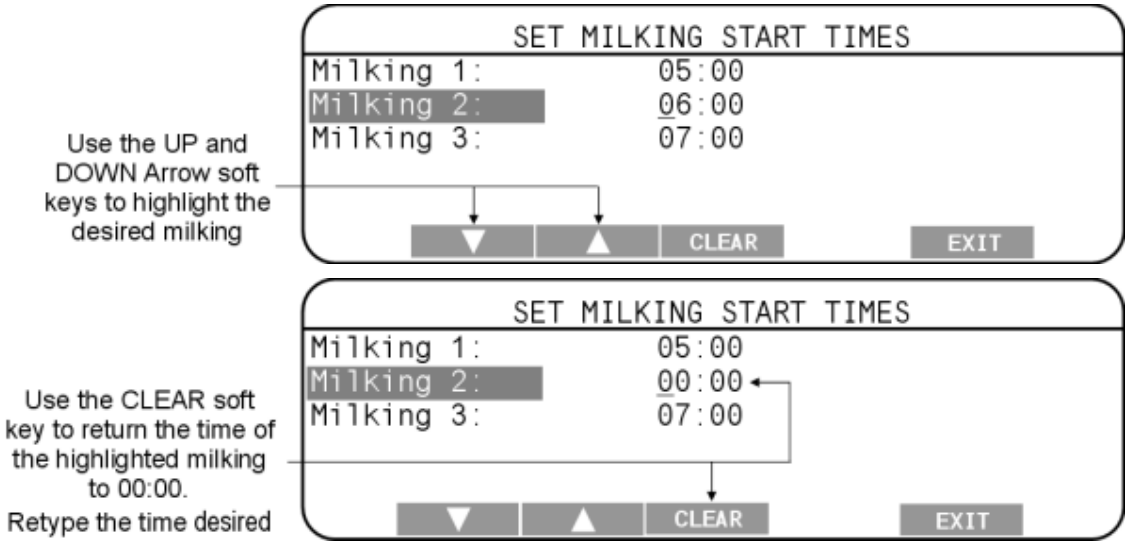
Use the ▲ soft key to select the first option:



Press the SELECT soft key and this screen will appear:

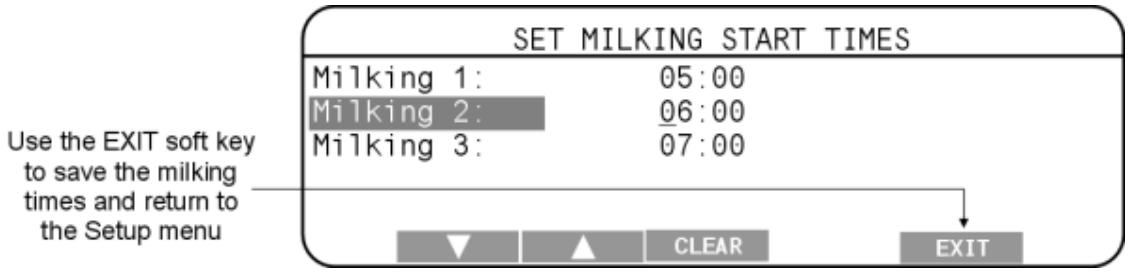


Highlight the milking that you wish to set:



The CLEAR soft key also disables the milking session from automatically occurring.

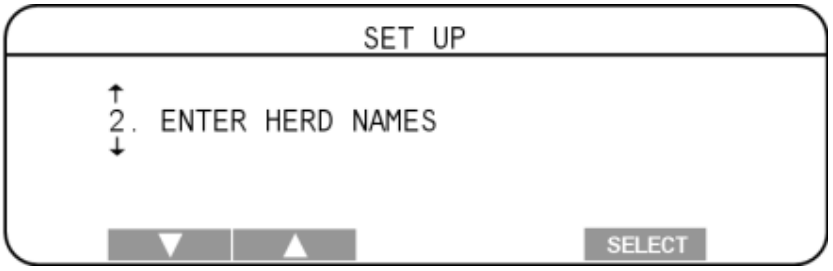
At any stage during typing, use the ← button on the Qwerty keyboard to backspace.


SET MILKING START TIMES
Milking 1: 05:00
Milking 2: 06:00
Milking 3: 07:00
CLEAR
EXIT
Use the EXIT soft key to save the milking times and return to the Setup menu

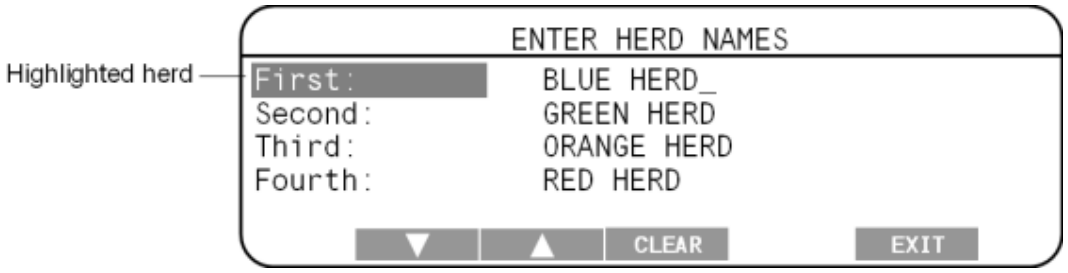
Entering herd names

Be aware that once herds have been named and automatic milking sessions have been recorded, subsequently clearing or changing the herd names will affect historic herd statistics. At least one herd must be entered. Positions "First" to "Fourth" must be used sequentially. That is to say, do NOT use Position One, then Three leaving Two blank.

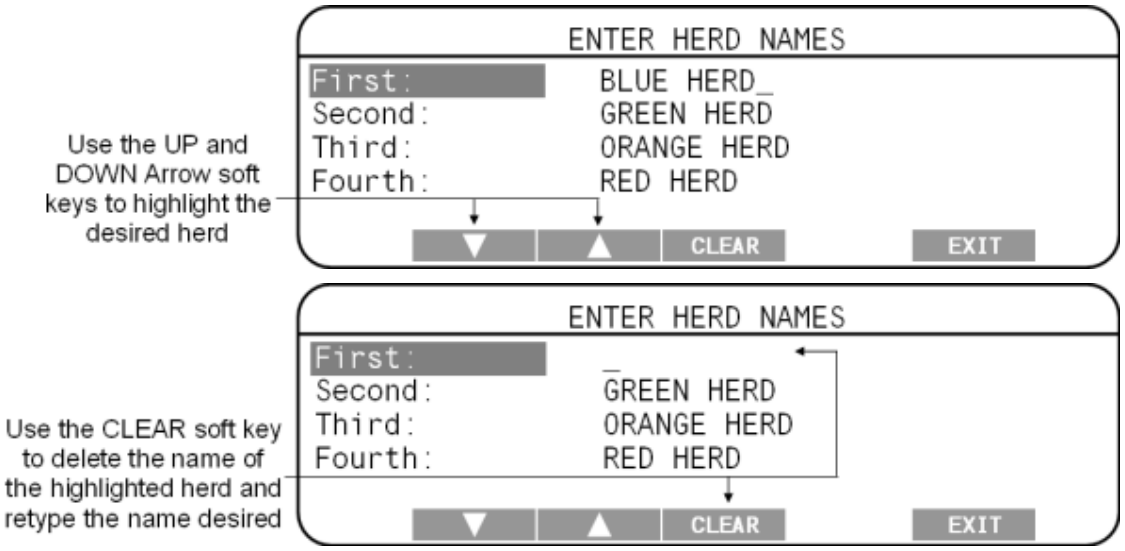
Use the ▲ and ▼ soft keys to select the second option:



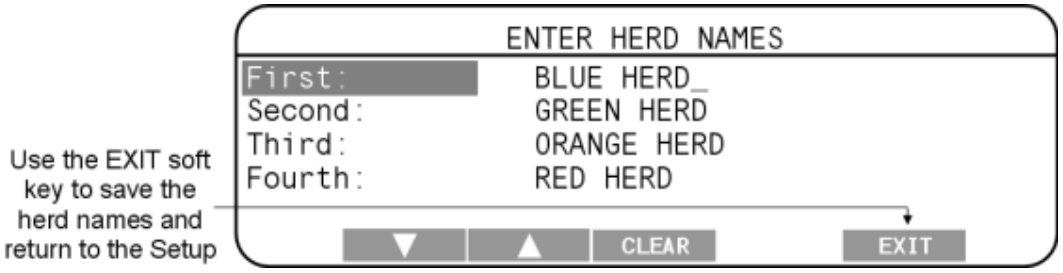
Press the SELECT soft key and this screen will appear:



Highlight the herd that you wish to rename:



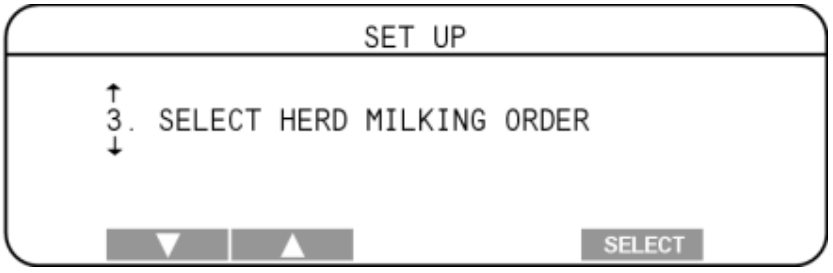
At any stage during typing, use the ⇐ button on the Qwerty keyboard to backspace.



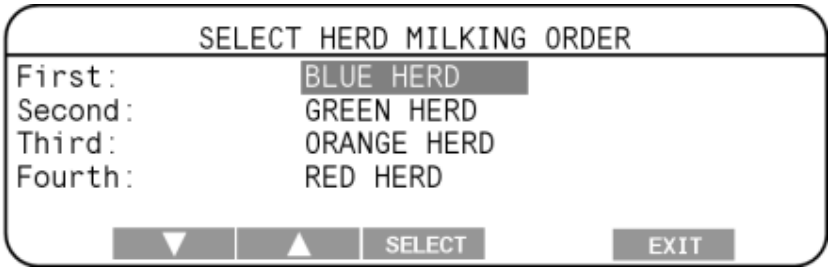
Selecting herd milking order

This is the order in which you intend to milk the herds. Be aware that any spaces in the order will affect herd stats. Use first, second, third and fourth in that order (i.e., do not select first and third and leave the second position blank, etc.).

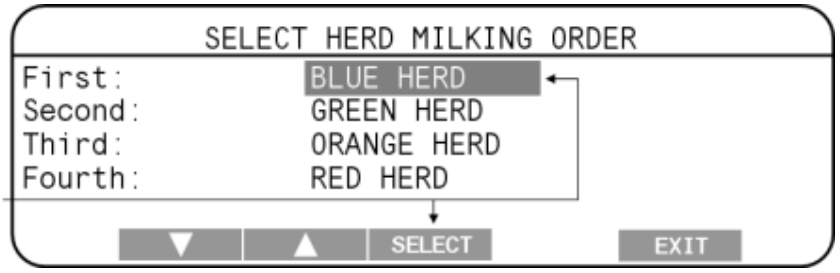
Use the ▲ and ▼ soft keys to select the third option:



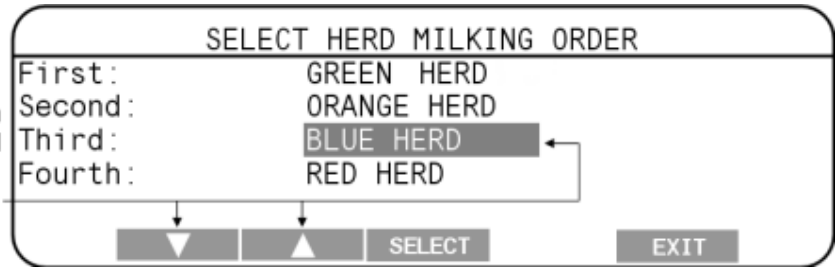
Press the SELECT soft key and this screen will appear:

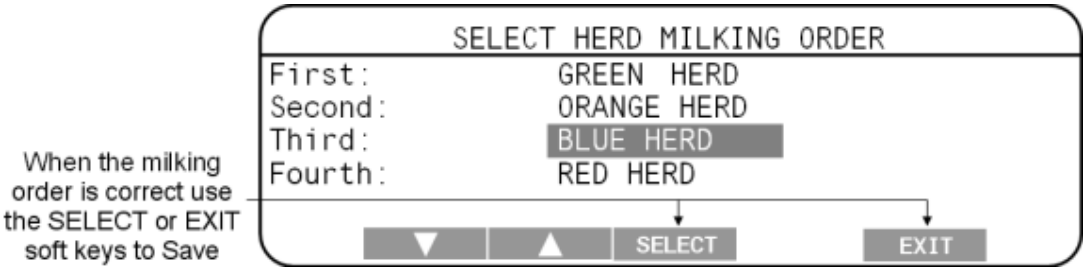


Using the SELECT soft key will make the highlighted herd flash



The selected herd can now be moved up and down the order using the soft keys for the appropriate actions

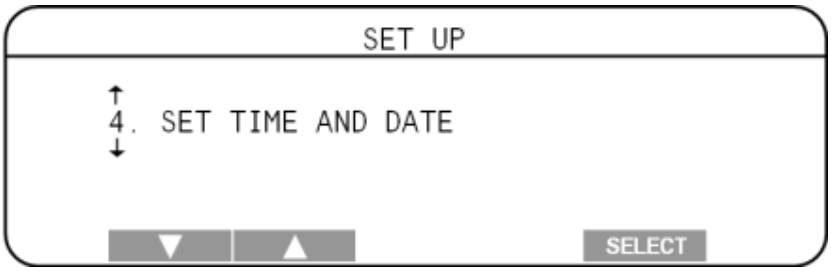



SELECT HERD MILKING ORDER
First: GREEN HERD
Second: ORANGE HERD
Third: BLUE HERD
Fourth: RED HERD
When the milking order is correct use the SELECT or EXIT soft keys to Save
SELECT
EXIT

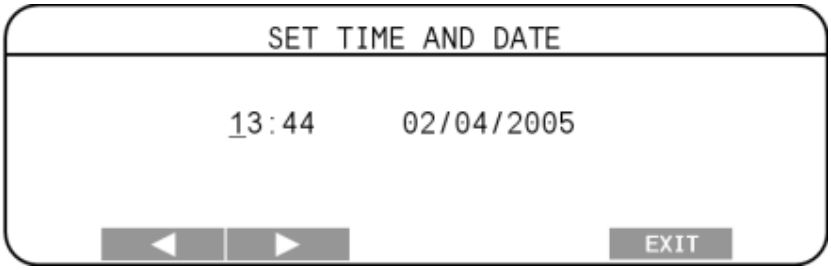
The EXIT soft key will return you to the Setup menu.

Setting the time and date

Use the ▲ and ▼ soft keys to select the fourth option:



Press the SELECT soft key and this screen will appear:



1. Press the ◀ or ▶ soft keys to move to the digit that you want to change.

   The currently selected digit flashes.

2. Enter the new digit using the keypad.

   The flashing underlined digit is replaced with the typed number and the cursor moves to the next digit.

3. Press EXIT to save the new time and date and return to the Setup menu.

Note:
The date format changes depending on how the country options are set up. In New Zealand and Australia the date format used is DD-MM-YYYY. In the USA the date and time format is MM-DD-YYYY.

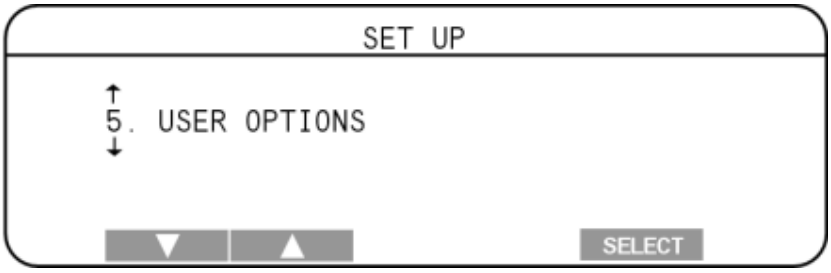
The time must be entered in 24-hour format i.e.

- 8:35 pm would be 20:35
- 8:35 am would be 08:35.

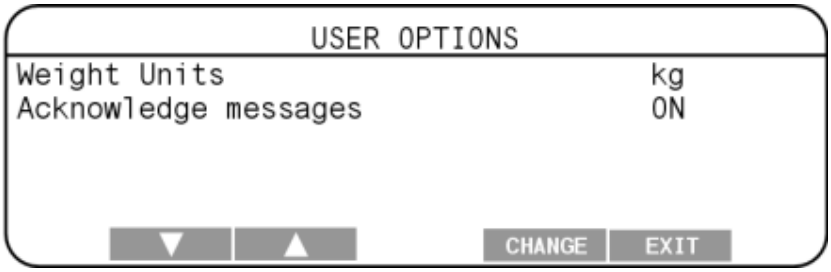
Note:
The colon (:) that separates the hours from the minutes and the forward slash (/) that separates the day, month and year are not editable.

User options

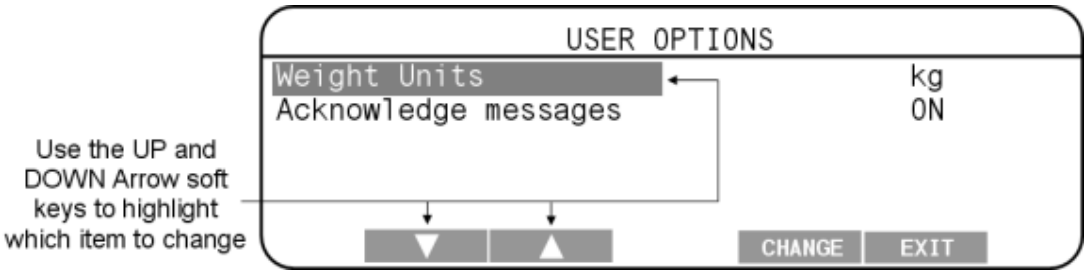
Use the ▲ and ▼ soft keys to select the fifth option:



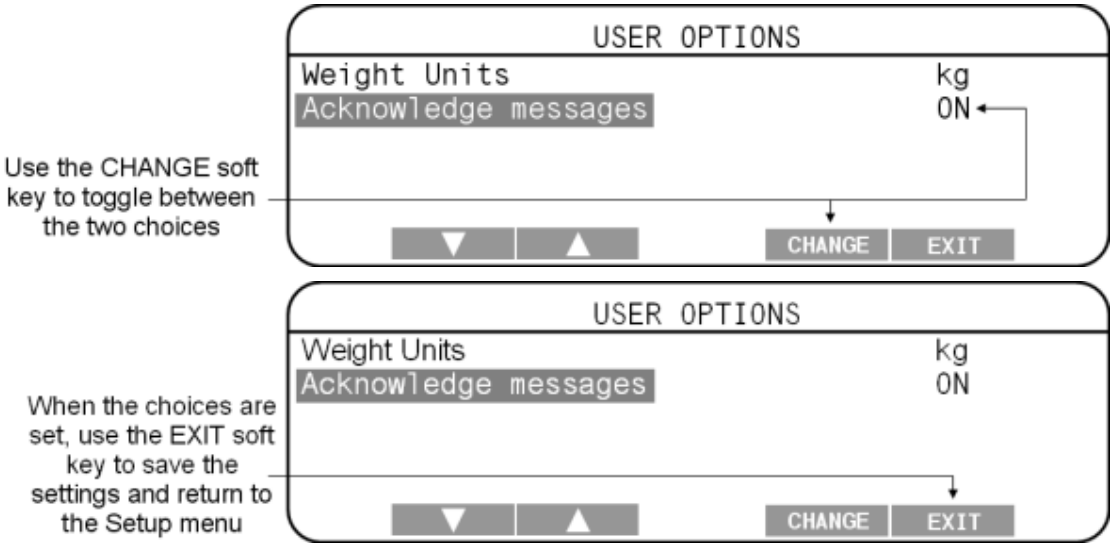
Press the SELECT soft key and this screen will appear:



Item Name	Values available	Description
Weight units	kg lb	Whether your Scale displays weights in kilograms (kg) or pounds (lb)
Acknowledge messages	OFF ON	When each position for the mode select switch is chosen an explanatory message is displayed. If "Acknowledge messages" is turned OFF, the explanatory message will automatically disappear after a few seconds. If "Acknowledge messages" is turned ON, the explanatory message will display until such time as you press a soft key to continue.



Each item has only two choices available:

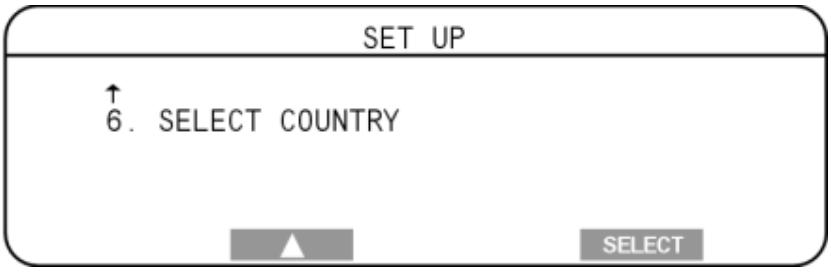


Selecting a country

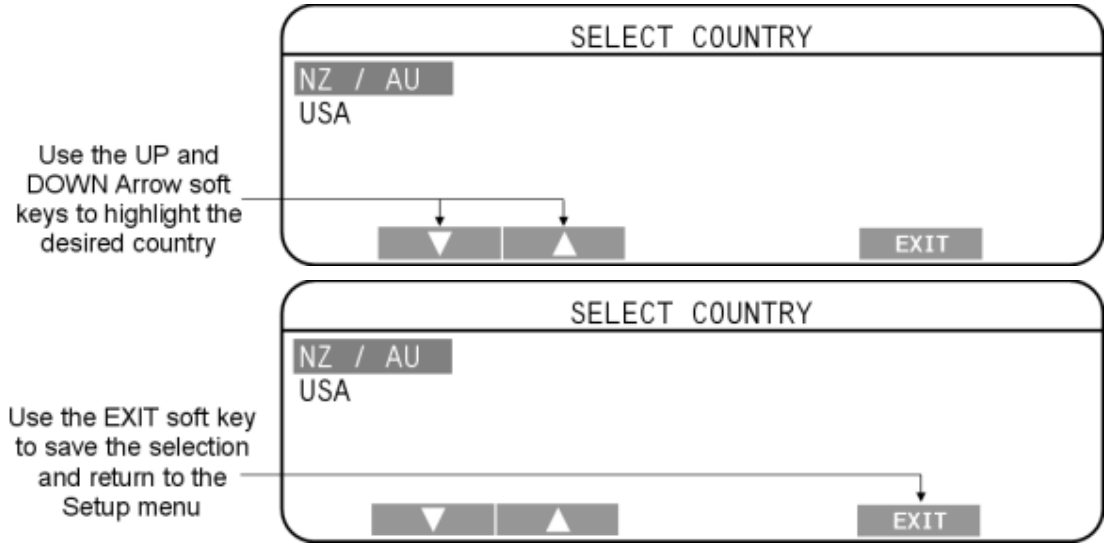
The Select Country menu lets you select the required country settings. The Scale country settings determine the following:

- the language used with the screens and prompts;
- some country-specific terminology; and
- some default options.

Use the ▲ and ▼ soft keys to select the sixth option:

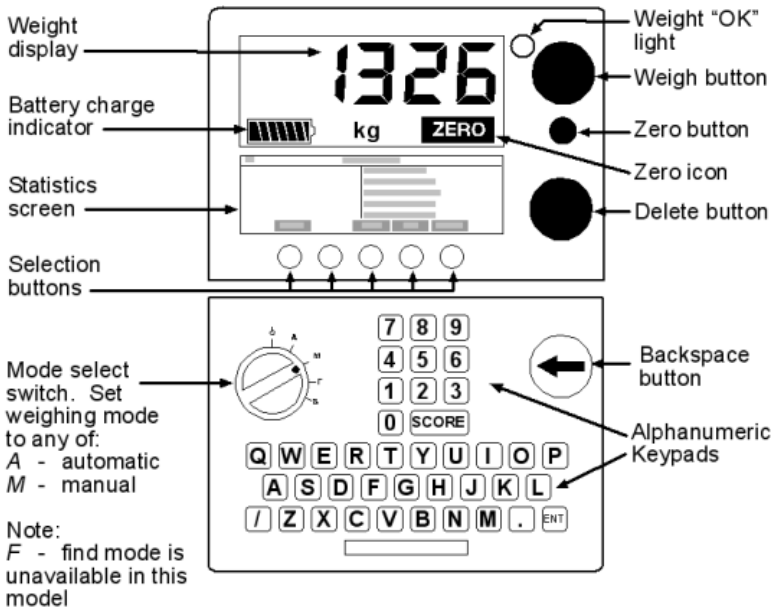


Select the applicable country:



Preparing to weigh

Scale layout



Pre-Weigh Checklist

Before weighing your animals, you should have performed the following tasks:

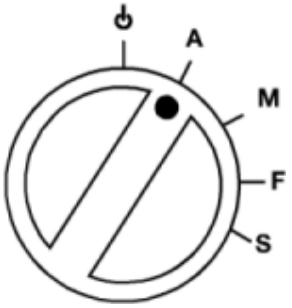
1. Had the weighing platform, wiring, Scale and housing installed by a professional tradesperson in accordance with the Installation Manual that will have been supplied to him/her.

2. Enabled power supply from an AC outlet using the cable and power pack supplied with the Scale.

3. Set up your Scale with regard to the following:
   - Selected milking start times
   - Entered herd names
   - Selected herd milking orders
   - Set the time and date in the Scale
   - Set the User Options
   - Selected your country of operation

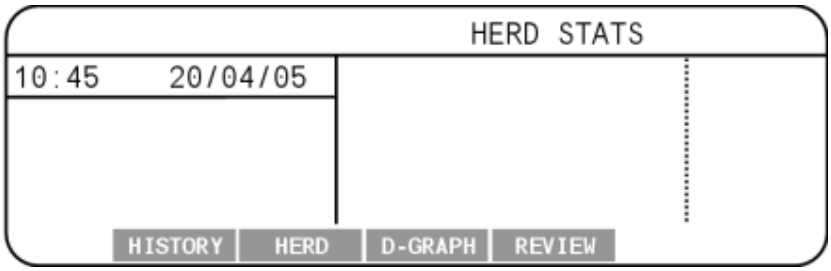
Weighing in automatic (walkover) mode

Turn the mode select switch to Automatic:

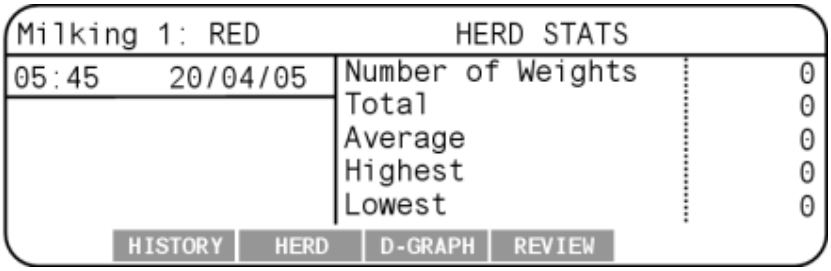


The **HERD STATS** screen will appear. Several displays are possible.

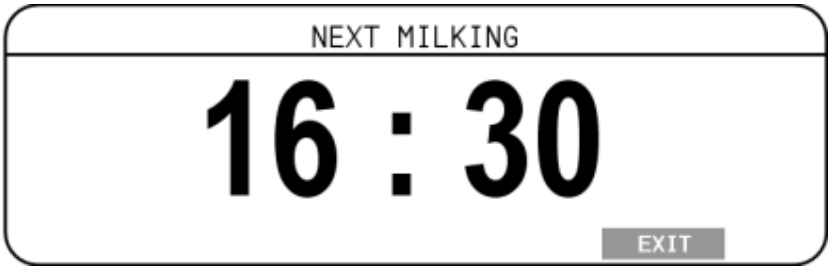
In this view, there are no details except for current time and date. Check milking start times (see *Option One : Set milking start times* (p 10)).



In this view, there is a current session running - Milking 1, Red Herd. This would appear if the time for Milking 1 is set for 5:45am (or earlier) and the Scale has just been turned on. No weights have been recorded as yet:



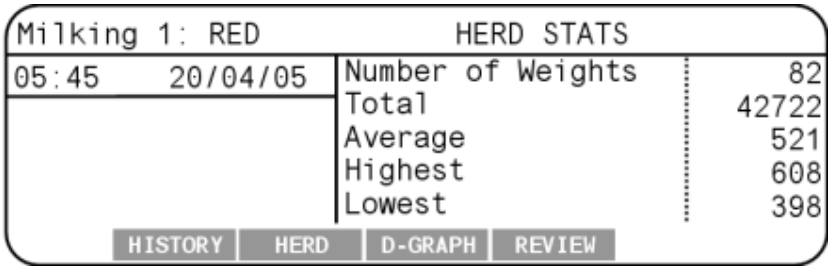
If a milking has completed and there has been no activity (no animals weighed) for more than one hour, the time of the next scheduled milking will display:



This will change when the displayed time arrives (as in the example above).

Using the EXIT soft key will make the **HERD STATS** Screen appear and allow you to access statistics (see *View herd statistics* (p 21)).

Perform your milking(s) in the order that you have set (see *Option Three : Set herd milking order* (p 13)) and your herd(s) should be weighed. The herd and milking will change to display the current herd and milking and the Herd Stats will update during the session:



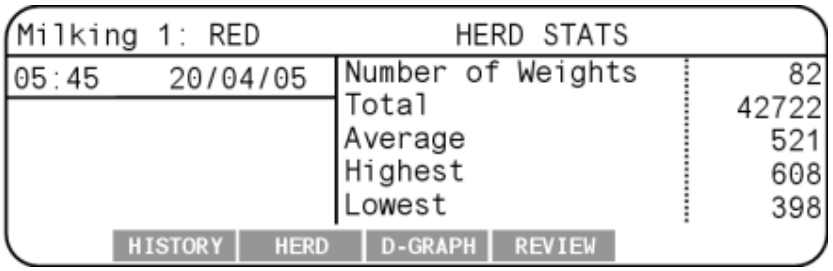
View Statistics

From the main **HERD STATS** screen you can view various statistics:

Type	Relating To	Description	Reference
Weight Summary	A date, milking and herd combination	A summary of the weights recorded during a specific milking including number of animals weighed and weight details; total, average and highest/lowest animal weights.	*Summary of Herd Weights* (p 22)
Weight Distribution Graph	A date, milking and herd combination	This graph shows how many animals fell into each weight range	*Weight Distribution Graph* (p 24)
Average Weekly Weight Graph	A herd to a specified end date	A graph showing the average animal weight in a herd on a weekly basis up to a date that you can specify. This displays a ten week period.	*Average Weekly Weight Graph* (p 25)
Average Weekly Statistics	A herd to a specified end date	Statistics showing the average animal weight in a herd on a weekly basis up to a date that you can specify. This displays a ten week period.	*Average Weekly Weight Statistics* (p 27)

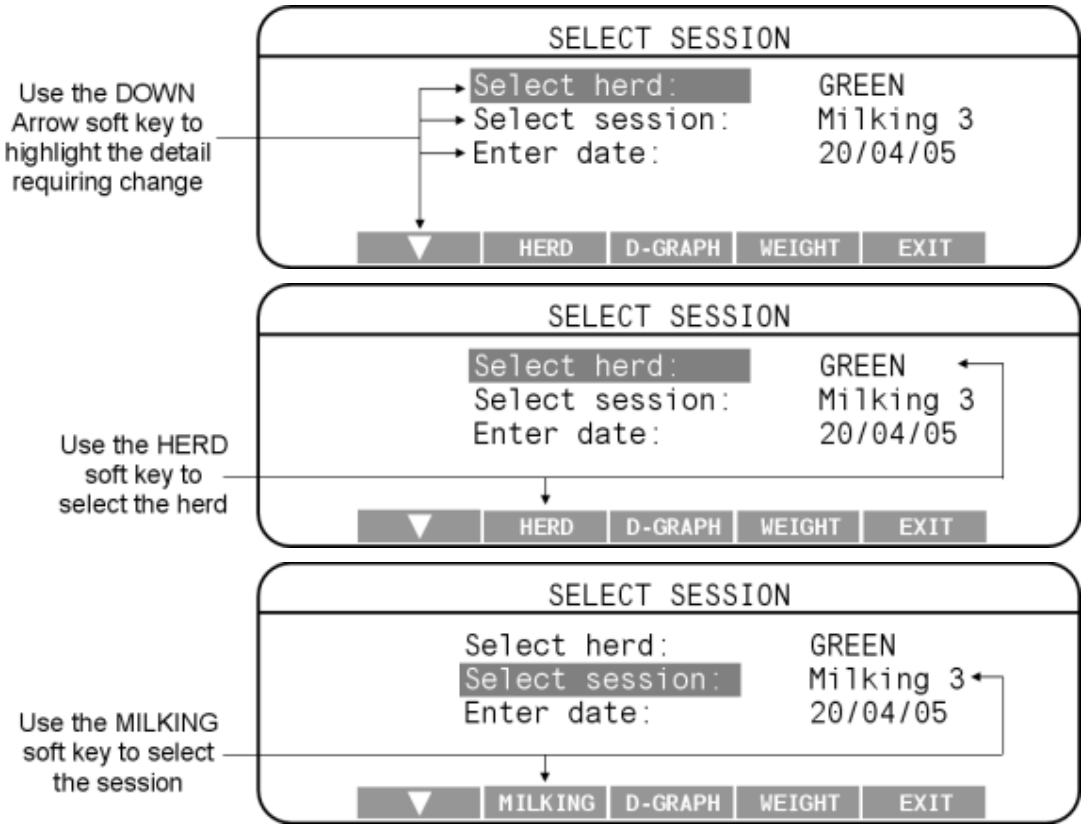
View Summary of Herd Weights

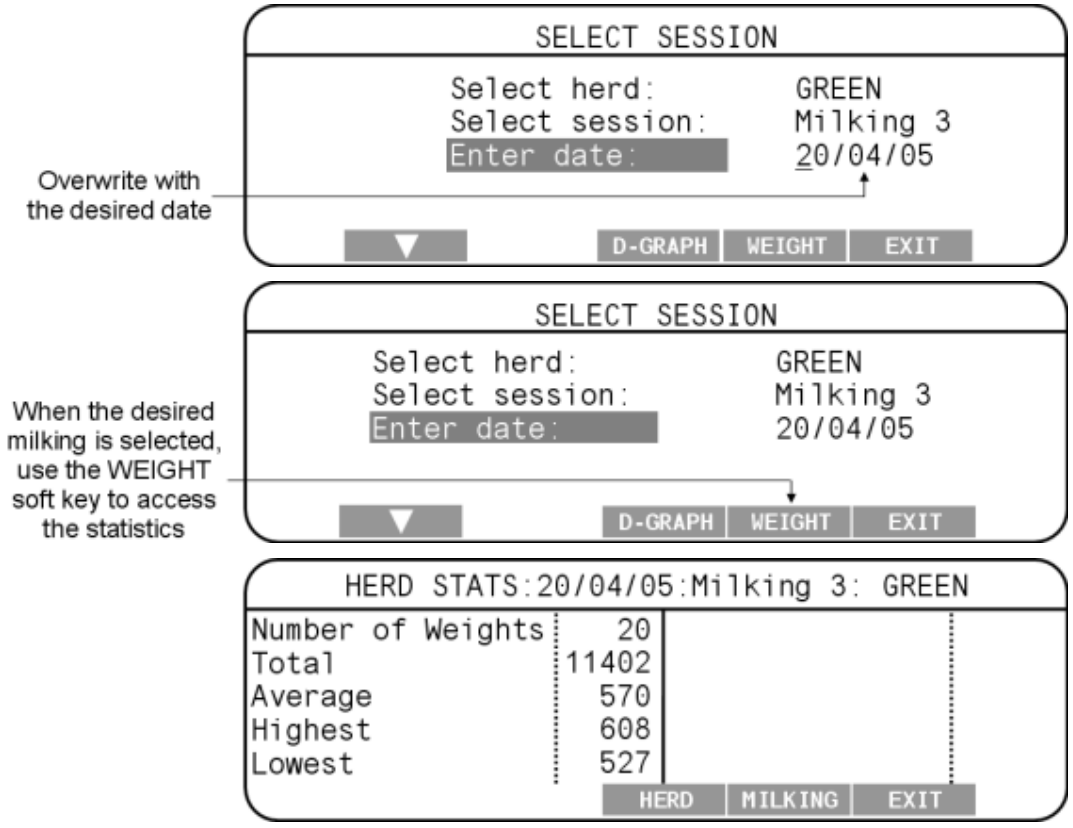
During or immediately after a milking, the display will be showing the figures recorded so far (i.e. the summary is already displayed):



To view the figures for the same milking but for a different herd, press the HERD soft key. This will scroll through the available herds and the statistics will change accordingly. Those herds that have not yet been milked will show all zeros.

To see the summary for any other date, milking and herd combination, press the HISTORY soft key:

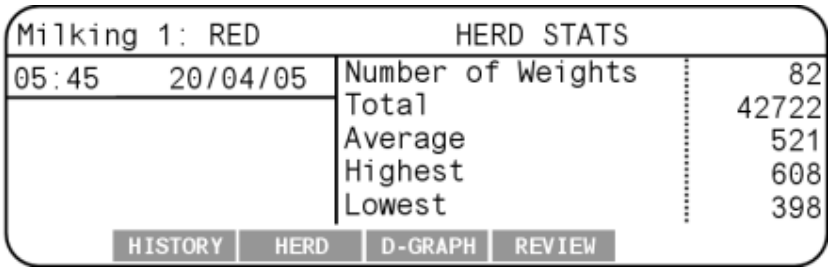




The EXIT soft key will return you to the **SELECT SESSION** screen.

View Weight Distribution Graph

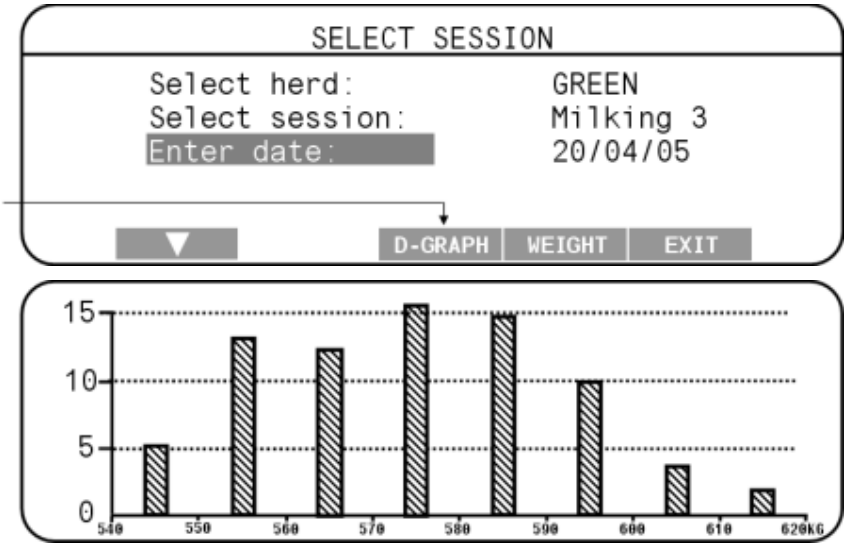
During or immediately after a milking, the **HERD STATS** screen will be showing the figures recorded so far:



Using the D-GRAPH soft key directly from here will display the Weight Distribution graph for these statistics. The soft key will change to any other herd and display statistics for this milking session on this date. Once again, the D-GRAPH soft key will display the Weight Distribution graph for those statistics.

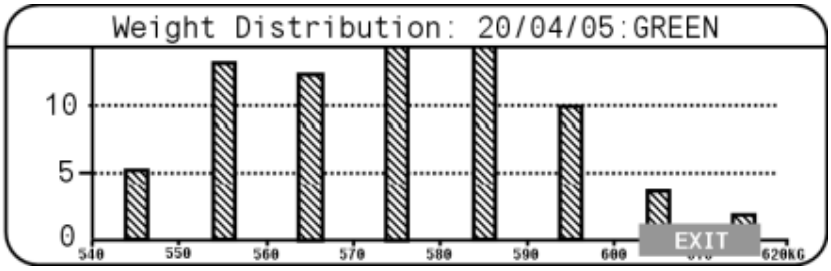
To see the summary for any date, milking and herd combination, press the HISTORY soft key. The **SELECT SESSION** screen will appear. Instructions to select the desired milking can be found at the beginning of *View Summary of Herd Weights* (p 22).

When the desired milking is selected, use the D-GRAPH soft key to generate the graph



The graph shows the number of animals that weighed within certain ranges. The *x* axis = weight range, the *y* axis = number of animals.

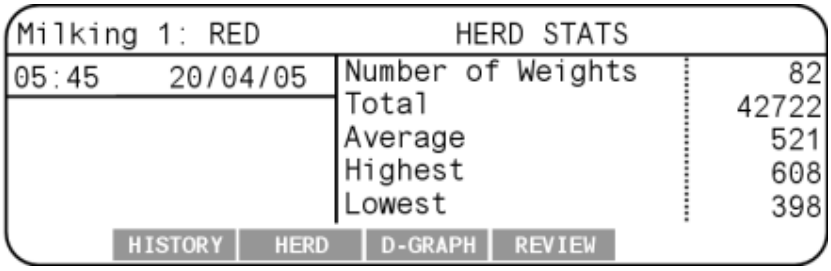
Intermittently the graph name and position of the EXIT soft key will appear:



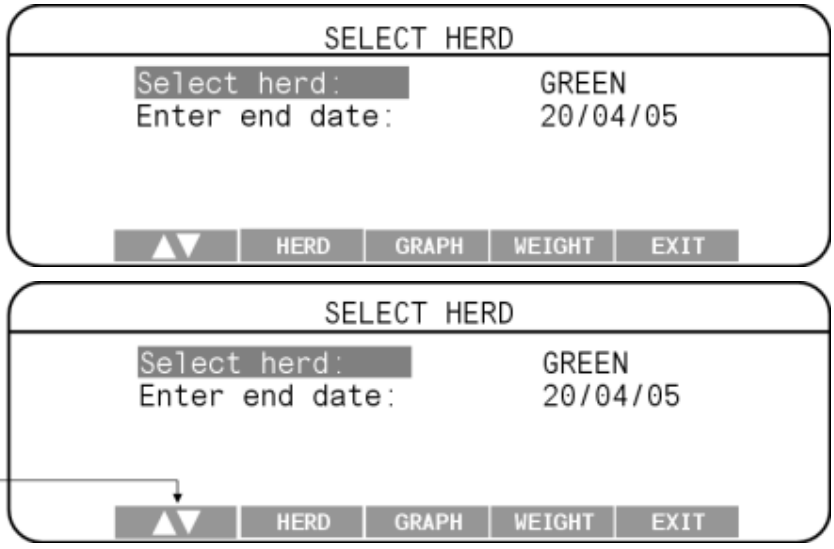
The EXIT soft key will return you to the **SELECT SESSION** screen.

View Average Weekly Weight Graph

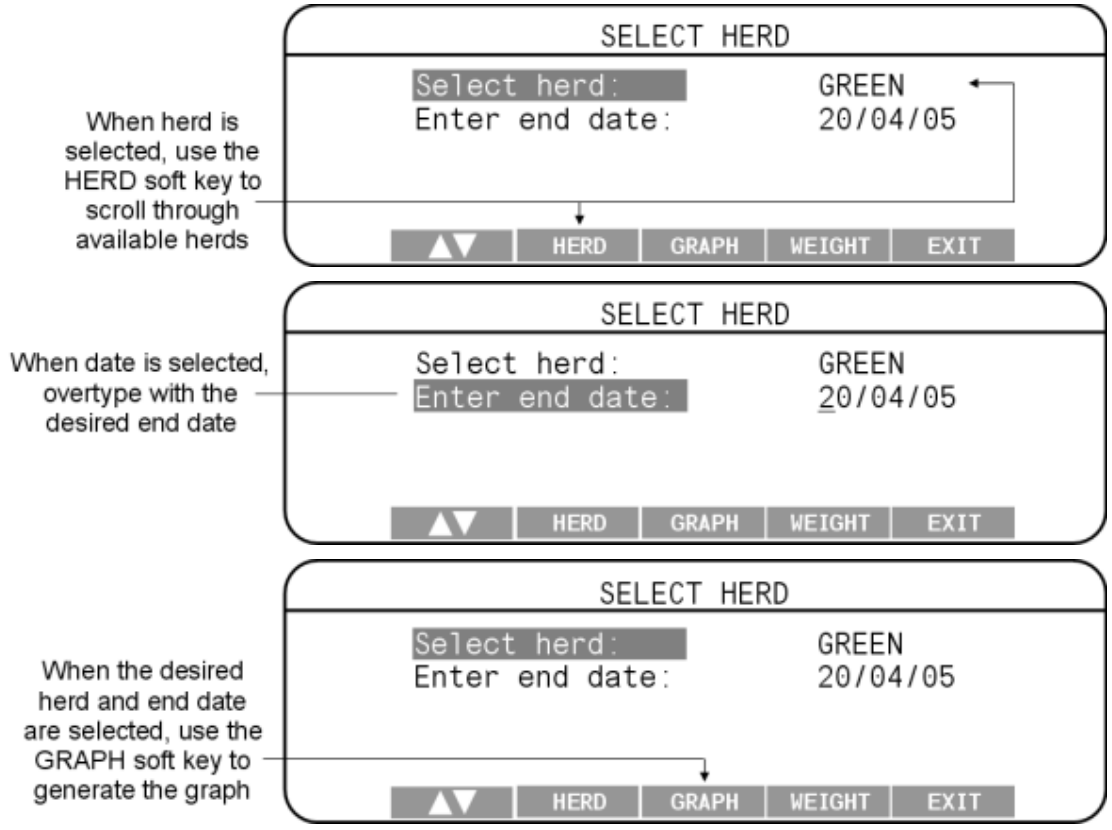
The **HERD STATS** screen displays the current or recent milking statistics:



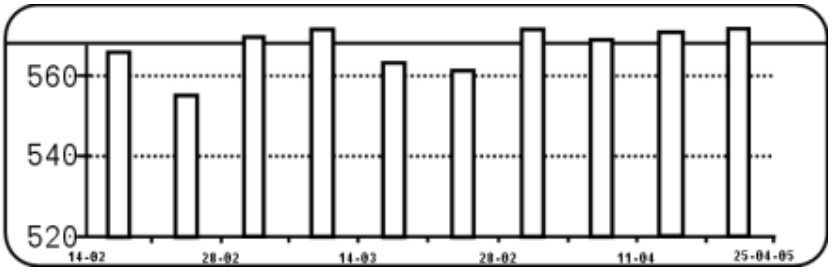
To see the summary for any date and herd combination, press the REVIEW soft key. The **SELECT HERD** screen will appear:



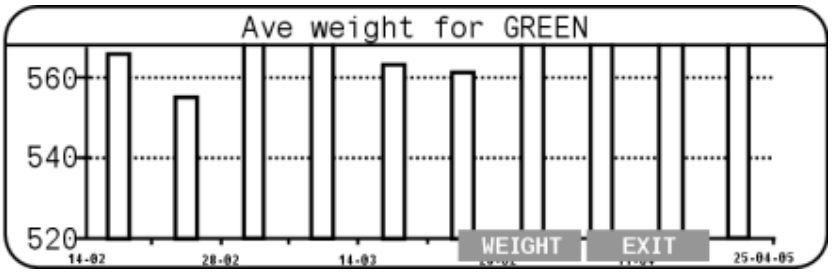
Use the UP and DOWN soft keys to toggle between chosing herd and date


When herd is selected, use the HERD soft key to scroll through available herds
When date is selected, overtype with the desired end date
When the desired herd and end date are selected, use the GRAPH soft key to generate the graph
SELECT HERD
Select herd:
Enter end date:
GREEN
20/04/05
HERD
GRAPH
WEIGHT
EXIT

The graph shows the average weekly weight of all the animals in the herd for the last ten weeks.



Intermittently the graph name and position of the WEIGHT and EXIT soft keys will appear:

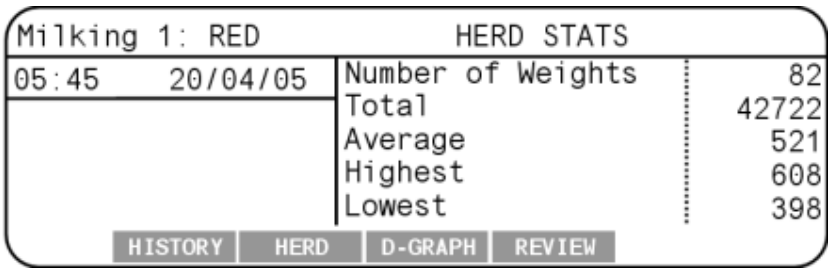


The WEIGHT soft key will display the Average Weekly Weight Statistics (see *View average weekly weight statistics* (p 27)).

The EXIT soft key will return you to the SELECT SESSION screen.

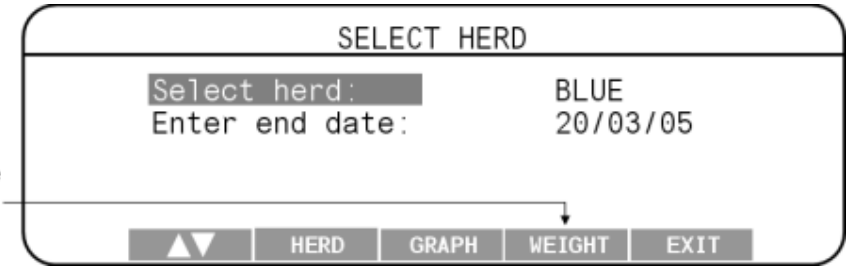
View Average Weekly Weight Statistics

The **HERD STATS** screen displays the current or recent milking statistics:

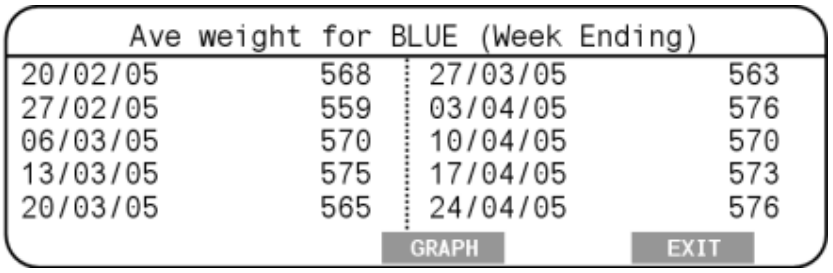


To see the summary for any date, milking and herd combination, press the REVIEW soft key. The **SELECT HERD** screen will appear. See *View average weekly weight graph* (p 25) for instructions on selecting the desired herd and end date.

When the desired herd and end date are selected, use the WEIGHT soft key to display the statistics



The figures show the average weekly weight of all the animals in the herd for the last ten weeks:



The GRAPH soft key will generate an Average Weekly Weight Graph for the same period. See *View average weekly weight graph* (p 25).

The EXIT soft key will return you to the **SELECT HERD** screen.

Sessions

A session is a collection of weight records for which the Scale displays statistics.

Automatic (walkover) sessions for the dairy herd during milkings are automatically created and named by the Scale. They will remain open for a limited time only after the milking. Conversely, Manual (static) weighing sessions have to be created and named by the user. A start date exists but the session can remain open for any period of time until a new session is started. Each weighing event (animal weight record) adds to the current session.

It is recommended that a new session is created if more than a few days have passed since the first animal was weighed.

Each time data is collected a record is created. There are limits on the number of records the Scale can hold. Please refer to *Scale memory capacity* (p 36) for more information.

Session naming formats

Each session file name has the following format:

YYYY-MM-DD hh-mm NAME

Where...	Is the...	Example...
YYYY	4 digit year	2003
MM	2 digit month	06
DD	2 digit day	24
hh	2 digit hour in 24 hour format	13
mm	2 digit minutes	15
NAME	Name of the weighing session that will display on the Scale. The name can contain up to 17 characters and is chosen by the user. All letters will be upper case.	STEERS

Weighing in manual mode

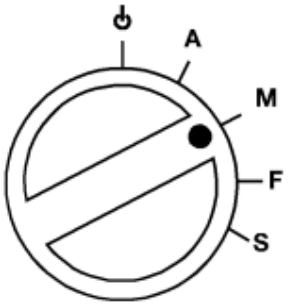
This section of the manual will detail the procedures required to achieve a successful manual weighing session of dairy stock or a weighing session of dry stock:

- Creating a session
- Weighing the animal
- Deleting a weight (ability exists immediately after weight recorded only)
- Viewing weight statistics recorded during the session
- Deleting a session

Creating a new manual weighing session

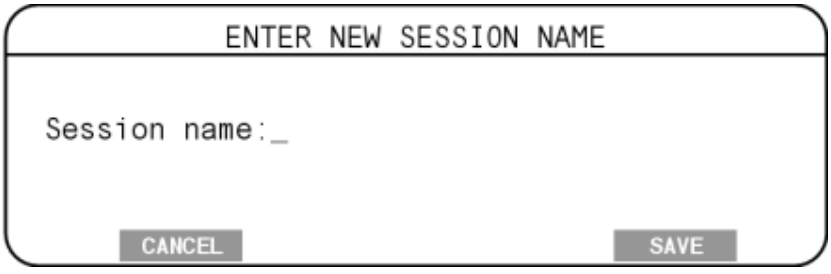
To create a new manual weighing session, complete the following steps:

1. Turn the mode select switch to **M** (Manual).



2. Press the NEW soft key.

   The **NEW SESSION** screen displays:



3. Enter the required name for the session, using the keypad.

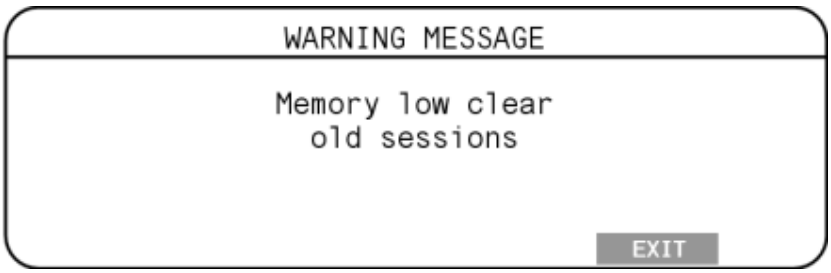
   The name can be up to 17 alpha-numeric characters long. Press the ← key to delete characters.

4. Press SAVE to save the new session.

You will return to the previous screen, ready to start weighing.

Note:

If the Scale already holds the allowable limit of manual weighing sessions (see *Scale Memory Capacity* (p 36)) this warning screen will display:

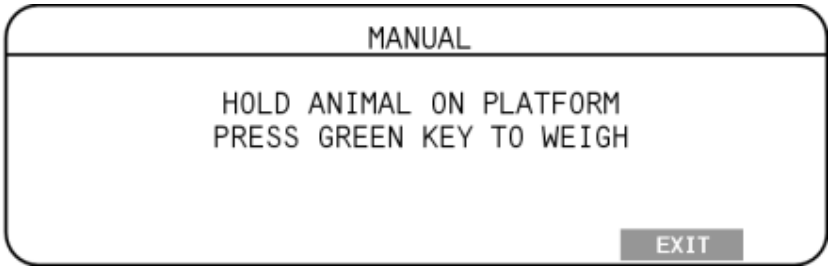


See *Deleting manual weighing sessions* (p 35)

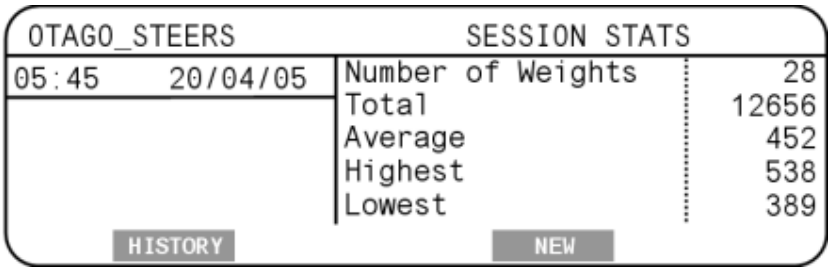
Procedure for weighing animals in a manual session

To weigh an animal in a manual session follow this procedure:

Turn the mode select switch to **M (**manual). This screen will display:



1. Press the EXIT soft key and this screen will display:



   It is showing the last manual weighing session. If this is to be a new session, use the NEW soft key and follow the instructions in the previous section of this User Manual, *Creating a new manual weighing session* (p 29).

2. Put the first animal on the platform.

3. Press the green weigh button to start weighing the animal. When the Scale has determined an accurate weight for the animal, it will lock on to the weight and hold it on the screen. The time taken to lock on to the weight will vary depending on the movement of the animal.

4. When the Scale has locked on to the weight:
   - the "Weight OK" light will illuminate;
   - OK will be displayed on the screen;
   - the indicator will beep;
   - the weight will remain on the screen until the next animal steps onto the platform;
   - the weight and statistics screens will not update until the animal has left the platform.

5. If the weight has locked on but you want to re-weigh the animal, press the green weigh key. The Scale will re-weigh the animal and lock onto the weight again. The new weight will replace the original weight.

   For example, if the animal was not completely on the scale, the Scale may have locked onto an incorrect weight.

6. Move the animal off the platform. The weight of the animal will be recorded as soon as the animal leaves the platform (the weight decreases by 30% or more). At this point the record will save.

7. The Scale will automatically zero off any weight left on the platform (e.g. dirt or manure). When this has occurred the zero icon is displayed on the screen ZERO.

   If the zero icon does not display, press the blue zero button.

8. The Scale does not need to return to zero before the next animal is loaded onto the platform.

9. Move the next animal onto the platform.

10. Repeat the procedure from Step 3.

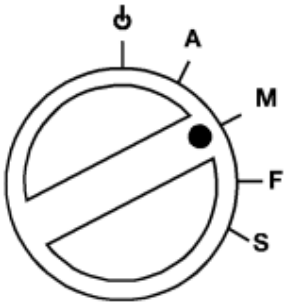
    Note:

    If the animal has left the platform and you want to delete the weight that has just been recorded, press the red delete button. The last weight entered will be deleted from the Scale's memory.

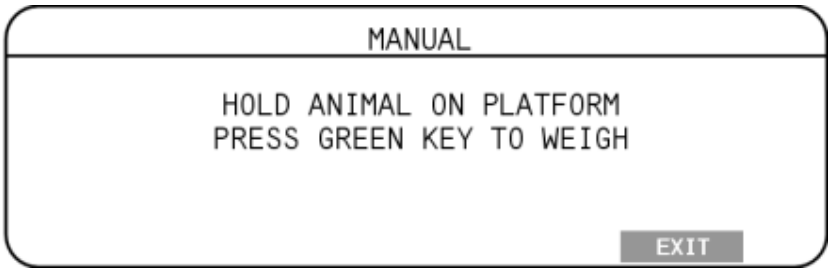
Viewing statistics of a manual weighing session

To view statistics of a session created and used for manual weighing:

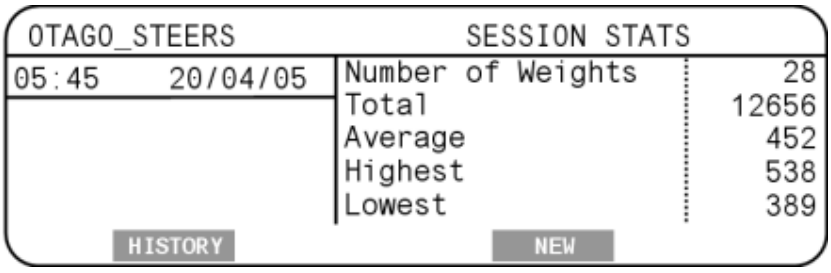
Turn the mode select switch to **M (**manual).



This screen will display:

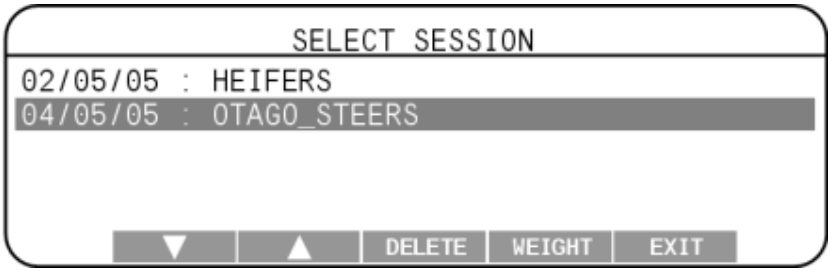


Press the EXIT button and the screen will show the statistics of the last manual weighing session that you conducted:



If you were wanting to create a new session, the NEW soft key will initiate creation of a new session. See *Creating a new manual weighing session* (p 29).

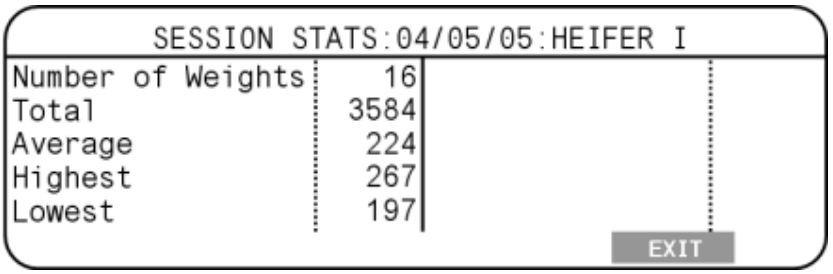
To view statistics from manual weighing sessions, press the HISTORY soft key to open the **SELECT SESSION** screen:



Use the ▲ and ▼ soft keys to highlight the desired session.

To delete a session please refer to the following section of this User Manual, *Deleting manual weighing sessions*.

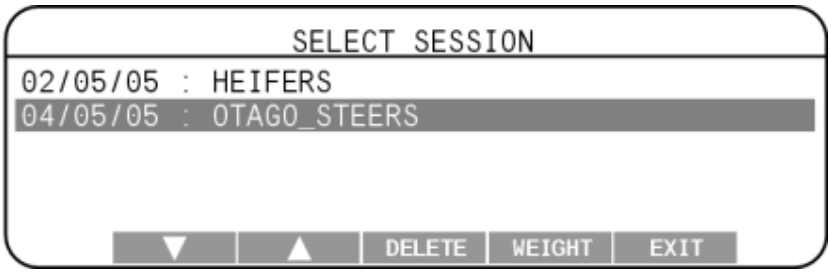
The WEIGHT soft key will show you the statistics for the highlighted session:



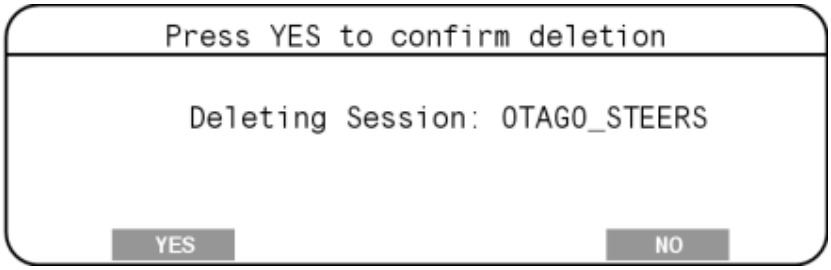
The EXIT soft key will take you back to the **SELECT SESSION** screen.

Deleting manual weighing sessions

See Steps 1 - 5 of *Viewing statistics of a manual weighing session* (p 33). This will navigate you to the **SELECT SESSION** screen in which you can use the ▲ and ▼ soft keys to highlight a manual weighing session that is stored in the Scale:



To delete a session, highlight the session and use the DELETE soft key. You will need to confirm the deletion:



Use the YES soft key to delete the session and return to the previous screen. The NO soft key will return you to the previous screen without deleting the session.

Specifications

Scale memory capacity

Automatic weighing sessions

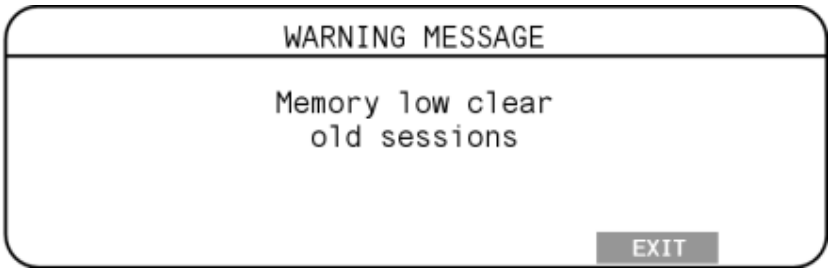
For automatic (walkover) sessions, the Scale can store up to 400,000 records. This is a total of 400,000 records across all animals, herds and sessions that are weighed in automatic (walkover) mode.

When the record tally reaches 400,000 the oldest (chronologically) session will be overwritten by the new records.

Manual weighing sessions

The Scale has capacity to store 2,000 records in Manual weighing mode.

When the record capacity is reached the Scale will not automatically overwrite the oldest sessions. These will have to be manually deleted to create more space for new sessions. You will see this warning when the capacity is reached.



To delete old manual sessions, refer to *Deleting manual weighing sessions* (p 35).

Zero tracking

As animals pass over the weighing platform, an accumulation of mud and dung may build up on the platform. The Scale can compensate for the weight of this accumulation by subtracting it from the total weight. The automatic subtraction of the residual weight from the total weight is called zero tracking.

Zero tracking ensures that the Scale captures the animal's weight and not the mess left on the platform.

Automatic and manual modes
In the Automatic and Manual weighing modes, zero tracking is automatically implemented if, after the animal leaves the weighing platform, the residual weight is within a defined zero tracking range.

- If the residual weight is within the defined range, the ZERO icon displays.
- If the residual weight is outside the defined range, the icon does not display.

  To manually compensate for the residue, press the blue zero button. The ZERO icon displays.

During a weighing session, if the Scale consistently does not restore to zero, check that there are no obstructions under or around the platform.

General

Operating Temperature	-20º to 50º C (-5º to 120º F)
Environmental protection rating	IP67

Upgrading Your Dairy Scale - Model XDS5000

The Dairy Scale XDS5000 allows for the use of Electronic ID tags. These enable the reader to identify individual animals. The Electronic IDs are linked to Visual Tag Numbers (the letters, numbers or colour of the physical tag) in the Scale so that you can visually identify the animals to which individual records relate.

The ability to create alarms in the XDS5000 enable you to be alerted to animals that have not appeared during a weighing session, animals that have been weighed but had no Electronic ID captured and animals that have lost excessive body weight over a defined period.

The XDS5000 also comes with a software package called *MyScale Pro*. This is installed into your Personal Computer. Records, including the Electronic ID to Visual Tag Number cross reference table, in the Scale can be copied to *MyScale Pro*.

MyScale Pro enables you to create graphs and further analyse statistics gathered by the Scale.

The Dairy Scale XDS5000 is available from your Gallagher distributor.

Contact details

The Dairy Scale is distributed by:

NEW ZEALAND

Gallagher Group Ltd,
Private Bag 3026
Hamilton

AUSTRALIA

Gallagher Australia Pty Ltd
14 Somerton Park Drive
Campbellfield VIC 3061
Australia

Tel. +61 3 9308 7722
Fax 1 800 337 949

TWO YEAR WARRANTY

FOR THIS WEIGH SCALE PRODUCT FROM DATE OF PURCHASE

MODEL	SELLING DEALER STAMP
..... SERIAL NO	
..... DATE PURCHASED	
.....	

This product is guaranteed free from defects in material or workmanship for a period of two years from date of purchase by the end user. The Gallagher Group Ltd will repair or replace at their option any faulty product returned to them or their Dealer within this time period. Freight/forwarding costs incurred by the Customer in the warranty process remain the responsibility of the Customer.

This warranty does not cover damage (including subsequent corrosive damage) due to

- Unauthorised repairs
- Modifications
- Failure to follow care and maintenance guidelines described in the User Manual
- Physical Mishandling
- Lightning Strike
- Floods, fires or acts of God
- Use of an arc welder on the loadbars while the Scale is connected

The Gallagher Group Ltd, their Distributors, and their Dealers accept no responsibility for the misuse of this product.

The Gallagher Group Ltd, their Distributors, and their Dealers accept no responsibility for any accident caused subsequently to any tampering with or modification to or misuse of this product.

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